

IN THE CLAIMS:

1. – 20. (Withdrawn)

21. (Original) A method to identify integrin mediated signaling comprising the step of determining whether the cytoplasmic domain of said integrin is phosphorylated.

22. (Amended) The method of claim 21 comprising the steps of;

- a) preparing an extract of a cell expressing an integrin,
- b) ~~electrophoresing~~ separating components of said extract ~~using SDS-electrophoresis~~, and
- c) analyzing said ~~electrophoresed sample~~ separated components to determine whether the β subunit of said integrin is phosphorylated.

23. (Original) The method of claim 22 wherein an anti-phosphotyrosine antibody is used in the analysis step c).

24. – 29. (Withdrawn)

30. (New) The method of claim 22 wherein the extract is prepared with a high concentration of SDS.

31. (New) The method of claim 22 wherein the extract is separated by electrophoresis.

32. (New) The method of claim 31 wherein the electrophoresis is 2D electrophoresis.

33. (New) The method of claim 22 wherein the cell is a tumor cell.

34. (New) The method of claim 33 wherein the tumor cell is a carcinoma cell.

35. (New) The method of claim 22 wherein the cell is a platelet.

36. (New) The method of claim 22 wherein the cell is an immune system cell.

37. (New) The method of claim 36 wherein the immune system cell is selected from the group consisting of: a lymphocyte, a leukocyte, a monocyte, a macrophage, a granulocyte, a natural killer cell, and a neutrophil.

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38. (New) The method of claim 22 wherein the cell is an epithelial cell.

39. (New) The method of claim 38 wherein the epithelial cell is a keratinocyte.

40. (New) The method of claim 22 wherein the cell is a fibroblast.
